

# GROUND STARTING COMPONENTS/GPU'S

## AIRCRAFT JUMPER CABLES

Cable is heavy duty, 4 ga. copper, 20 ft. long, twin extruded to help prevent tangling, and room temperature flexible at 40 degrees below zero. Fully insulated clamps wont arc or spark and are rated 00-amp/600 peak, have a solid copper jaw, and have a flexispring strain relief to prevent cable breakage. Polarity light warns if clamps are connected incorrectly, preventing electrical system damage and personal injury. Available in two styles (above).



**6141** - Jumper Cable with standard 3-pin Lexan female plug (equivalent to AN2551) on one end and alligator clamps on other end.....P/N 11-02952 .....**\$150.00**

**6142** - Jumper Cable with special Piper single-pin plug on one end and alligatorclamps on other end.  
P/N 11-02953 .....**\$149.95**

## REPLACEMENT PAIR OF 500 AMP CLAMPS

Used on #6141 and #6142 jumper cables. (above)  
P/N 11-06202 .....**\$44.50**



## 3 PIN JUMPER PLUG AN2551

Standard 3-pin female plug equivalent to AN2551 plug. Red Lexan construction screws together in minutes. Sleeves are solid copper, silver plated. With solenoid pin. Corrosion proof. Mates with AN2552-3A external power receptacle. ...P/N 11-03158 .....**\$37.50**



## SOS AUXILIARY JUMP CABLE

SOS Aviation Battery Booster replacement for auxiliary jump cable with a Piper plug and auxiliary red connector.  
P/N 11-16623 .....**\$396.00**



## SB50 HANDLE KIT

The SB50 Handle Kit encases the common SB50 power plug to provide a rugged hand grip for temporary DC power applications such as battery charging. Its ABS plastic case features internal wiring guides for strain relief. These are sized for 16-gauge insulated wire, but can be easily enlarged to accommodate wire pairs up to 10 AWG for higher current applications. Smaller gauge wire pairs can be tied or otherwise bound to prevent passage through the strain relief channels. ....P/N 11-16517 .....**\$10.00**



## PIPER TYPE PLUG

Mates with 11041 socket. Electrical conductors and connections are designed for maximum efficiency and long life. With ground return terminal. Single pole. Brass female contact with spring-grip tension provides solid engagement with the socket. Cable clamp holds wires firmly in place. Diecast housing. Accepts up to 0AWG cable. ....P/N 11-03159 .....**\$29.80**



## PIPER TYPE SOCKET

Self-grounding socket. Single pole. Diecast housing, spring-loaded door. Solid brass contact, 3/8" (9.5mm) diameter, with insulated tip to prevent short circuits. Rubber boot protects terminals and connections. Accepts up to 0AWG cable. Fits 2" (50.8mm) diameter hole. Flange holes 21/64" (8.6mm) diameter, 2 15/16" (74.6mm) on centers. Mates with 11042 plug.. P/N 11-00500 .....**\$27.50**



## EXTERNAL POWER RECEPTACLE

This external power receptacle is designed to mount in a hole in the skin of aircraft. Hole is then covered with hinged access door (not included). Mates with AN2551 type plugs. Model 4621B.....P/N AN2552-3A.....**\$92.75**



## PLUG & JUMP

The Plug & Jump is a very portable unit which can be carried in the aircraft at all times because it is so lightweight. It can be used to start the aircraft from an ordinary car using standard jumper cables. It comes in two models; The Universal Model is used for Cessna, Beechcraft, etc. (3 pin plug) and the Piper Model is a single pin. The Plug and Jump is a simple conduit of power from any external power source to the aircraft. It is not a battery in and of itself. The Plug n Jump can be used for either 28V or 14V systems. Universal Model .....P/N 11-00971 .....**\$82.95**  
Piper Model.....P/N 11-00972 .....**\$93.95**



## MASTER RELAY

(Battery Solenoid) - Applicable to all homebuilts. Continuous duty. 12V and 24V. **Not for certified aircraft.**  
**Features:** • High current capacity control • Isolated or grounded coils • Enclosed in dust-resistant case • Longer steel encasement permits lower heat rise and more sensitive operation on Type 71  
111-226 (12V).....P/N 11-03161 .....**\$31.55**  
111-226 (24V).....P/N 11-05799 .....**\$34.50**



## STARTER RELAY

(Starter Solenoid) - For 12V intermittent duty. Adequate current capacity for most engines.  
P/N 11-03162 .....**\$13.50**



## PORTABLE POWER SUPPLY



These portable power supplies are an excellent way to power your avionics on the ground while you train or practice in the cockpit. Especially helpful in learning how to operate glass cockpit avionics and panel mount GPS units. To use the Portable Power Supply plug the cord into an AC wall outlet, and then connect the plug into the external power receptacle on your aircraft. Furnished with power supply plug. Manufactured in U.S.A. This unit can also be used as a battery charger, by using the battery clip adapter which is provided with the unit.

Portable Power Supply plug the cord into an AC wall outlet, and then connect the plug into the external power receptacle on your aircraft. Furnished with power supply plug. Manufactured in U.S.A. This unit can also be used as a battery charger, by using the battery clip adapter which is provided with the unit.

12V Port Power Supply 3 Pin Plug.....P/N 11-05084 .....**\$269.95**  
12V Port Power Supply Single Pin .....P/N 11-05085 .....**\$235.00**  
24V Port Power Supply 3 Pin Plug.....P/N 11-05086 .....**\$349.00**  
24V Port Power Supply Single Pin .....P/N 11-05087 .....**\$308.00**

## RED BARON AUXILIARY POWER UNIT (APU)



The RB-14/28 Red Baron APU is designed to operate avionics equipment in private and commercial aircraft. The Red Baron will output 14 or 28VDC at up to 25 amps. The voltage is filtered to eliminate hum and is regulated against input AC line voltage changes. The output DC voltage and current are displayed on front panel meters. The DC is also protected by a circuit breaker. Selection of output voltage is by a front panel switch which is protected by a switch guard. Closing the guard forces the switch to 14V position. The RB-14/28-25 plugs directly into the APU receptacle on the aircraft. It comes equipped with either the standard 3 prong connector or Piper coaxial connector. The housing is steel, powder coated in red, for optimum flight line safety. Rubber feet and handle are included. The AC and DC cable lengths are 8ft.

This unit comes with selectable output voltages. AC Input: Volts (VI)115, Amps (II) 4.5/9, HZ (FI)60. DC Output: Volts (VO) 14 / 28, Amps (IO) 25, Watts (WO) 350/700. Dimensions: H10" x L8" x W10". Weight: 32(LB). Standard Connector .....P/N 11-02142 .....**\$685.00**  
Piper & Standard Connector .....P/N 11-02143 .....**\$729.00**

## THE BLUE ANGEL AIRCRAFT POWER SUPPLY



The Bycan BA-14/2850 Aircraft Ramp Power Supply and Battery Charger is a multi-purpose aircraft flight line service and maintenance tool. The unit has a filtered 14 & 28 volt DC power supply with up to 50 amperes capability for tests of aircraft electrical systems and a secondary mode for recharging run-down batteries. This ramp or hangar accessory is an absolute must for avionics service, gear and flap actuator exercising and other electrical system service. The BA-14/2850 plugs directly into the aircraft APU connector and is tied to the electrical system when the master switch is activated. Selection of output voltage is by a front panel switch which is protected by a switch guard. Closing the guard forces the switch to the 14 volt position. The battery charging mode is selectable by a front panel switch. The charging process is fully automatic. When the charge is in progress a red LED is illuminated. This is replaced by a green LED when the aircraft battery is fully charged. The on/off switch on the unit also resets the unit. This unit comes with selectable output voltages and Battery Charger. AC Input: Volts (VI)115, Amps (II) 9/18, HZ (FI)60. DC Output: Volts (VO) 14 / 28, Amps (IO) 50, Watts (WO) 700 / 1400. Dimensions: H9" x L12" x W8". Weight: 46(LB)

Piper & Cessna Plugs 110V (2 Adapters) ...P/N 11-06390 .....**\$1,249.00**  
Cessna Plug 220V (1 Adapter) \* For Europe...P/N 11-06391 .....**\$1,438.00**  
Cessna Plug 220V (1 Adapter).....P/N 11-06392 .....**\$1,495.00**

## AVIATION GROUND POWER UNITS (GPU)



Safe, Affordable, Airframe Power for Piston and Light Turbine Aircraft, the Enhanced Flight 2800 Series GPU achieves a remarkable 89% electrical efficiency to provide up to 2,000W of power. Its cool running, switching-mode power modules provide massive amounts of stable, noise-free 28V DC power from a 90-230 volts AC input. It will safely power the most delicate airframe systems with laboratory-grade DC

without risk of costly damage to sophisticated avionics, instruments, or electronic equipment. This new generation GPU is designed as a practical alternative to large, expensive start carts, battery chargers, and other devices designed for spinning starter motors. Unique, ergonomic design features dual, removable cord/tool caddies. Choose 35A or 70A output. Comes with 2-meter output cable with 3-pin AN2551 NATO power plug, compatible with standard AN2552-3A or MS3506-1 aircraft external power receptacle. Not for turbine engine motoring or start assist. Option of integral BatteryMINDER 244CEC1-AA multi-stage maintenance charger-desulfator for lead-acid aviation batteries. Ambient temperature compensation ensures precise charging under all conditions. Airframe charging harness kit included.

24V 35A GPU .....P/N 11-10831 .....**\$845.00**  
24V 35A GPU built-in BatteryMINDER.....P/N 11-14771 .....**\$1,145.00**  
24V 70A GPU .....P/N 11-10833 .....**\$1,195.00**  
24V 70A GPU built-in BatteryMINDER .....P/N 11-14772 .....**\$1,495.00**

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